Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims.

1-19. (Cancelled).

20. (Currently Amended) An isolated polypeptide having an amino acid sequence at least 90% identical to a sequence selected from the group consisting of:

(a) amino acids from 4 to 65 in SEQ ID NO:2 (~~Figure 1~~ FIG. 1);

(b) amino acids from 4 to 70 in SEQ ID NO:2 (~~Figure 1~~ FIG. 1); and

(c) amino acids from 4 to 75 in SEQ ID NO:2;

and optionally, a heterologous polypeptide sequence, wherein said polypeptide sequence is preferentially expressed in mature B cells.

21-51. (Cancelled).

52. (Currently Amended) An isolated polypeptide having an amino acid sequence at least 90% identical to a sequence selected from the group consisting of:

(a) amino acids from 4 to 65 as encoded by the ATCC deposit having ATCC Accession number PTA-1997;

(b) amino acids from 4 to 70 as encoded by the ATCC deposit having ATCC Accession number PTA-1997; and,

(c) amino acids from 4 to 75 as encoded by the ATCC deposit having ATCC Accession number PTA-1997;

and optionally, a heterologous polypeptide sequence, wherein said polypeptide sequence is preferentially expressed in mature B cells.

53-64. (Cancelled).

65. (New) The polypeptide of claim 20, wherein the selected sequence is (a).

66. (New) The polypeptide of claim 20, wherein the polypeptide sequence is at least 95% identical to sequence (a).

67. (New) The polypeptide of claim 20, wherein the polypeptide is (a).

68. (New) The polypeptide of claim 20, wherein the selected sequence is (b).

69. (New) The polypeptide of claim 20, wherein the polypeptide sequence is at least 95% identical to sequence (b).

70. (New) The polypeptide of claim 20, wherein the polypeptide is (b).

71. (New) The polypeptide of claim 20, wherein the selected sequence is (c).

72. (New) The polypeptide of claim 20, wherein the polypeptide sequence is at least 95% identical to sequence (c).

73. (New) The polypeptide of claim 20, wherein the polypeptide is (c).

74. (New) A recombinant polypeptide produced by the method of:

(a) inserting an isolated nucleic acid molecule encoding the polypeptide of claim 20 into a vector to make a recombinant vector;

(b) introducing said recombinant vector into a host cell to make a recombinant host cell;

(c) culturing said recombinant host cell under conditions such that the polypeptide of claim 20 is expressed; and,

(d) recovering said polypeptide.

75. (New) The polypeptide of claim 52, wherein the selected sequence is (a).

76. (New) The polypeptide of claim 52, wherein the polypeptide sequence is at least 95% identical to sequence (a).

77. (New) The polypeptide of claim 52, wherein the polypeptide is (a).

78. (New) The polypeptide of claim 52, wherein the selected sequence is (b).

79. (New) The polypeptide of claim 52, wherein the polypeptide sequence is at least 95% identical to sequence (b).

80. (New) The polypeptide of claim 52, wherein the polypeptide is (b).

81. (New) The polypeptide of claim 52, wherein the selected sequence is (c).

82. (New) The polypeptide of claim 52, wherein the polypeptide sequence is at least 95% identical to sequence (c).

83. (New) The polypeptide of claim 52, wherein the polypeptide is (c).

84. (New) A recombinant polypeptide produced by the method of:

(a) inserting an isolated nucleic acid molecule encoding the polypeptide of claim 52 into a vector to make a recombinant vector;

(b) introducing said recombinant vector into a host cell to make a recombinant host cell;

(c) culturing said recombinant host cell under conditions such that the polypeptide of claim 52 is expressed; and,

(d) recovering said polypeptide.

85. (New) An isolated polypeptide having an amino acid sequence at least 90% identical to a sequence selected from the group consisting of:

(a) a polypeptide comprising amino acids from 1 to 142 in SEQ ID NO:2;

(b) a polypeptide comprising amino acids from 1 to 75 in SEQ ID NO:2; and,

(c) a polypeptide comprising amino acids from 96 to 142 in SEQ ID NO:2;

and optionally, a heterologous polypeptide sequence, wherein said polypeptide sequence is preferentially expressed in mature B cells.

86. (New) The polypeptide of claim 85, wherein the selected sequence is (a).

87. (New) The polypeptide of claim 85, wherein the polypeptide sequence is at least 95% identical to sequence (a).

88. (New) The polypeptide of claim 85, wherein the polypeptide is (a).

89. (New) The polypeptide of claim 85, wherein the selected sequence is (b).

90. (New) The polypeptide of claim 85, wherein the polypeptide sequence is at least 95% identical to sequence (b).

91. (New) The polypeptide of claim 85, wherein the polypeptide is (b).

92. (New) The polypeptide of claim 85, wherein the selected sequence is (c).

93. (New) The polypeptide of claim 85, wherein the polypeptide sequence is at least 95% identical to sequence (c).

94. (New) The polypeptide of claim 85, wherein the polypeptide is (c).

95. (New) A recombinant polypeptide produced by the method of:

(a) inserting an isolated nucleic acid molecule encoding the polypeptide of claim 85 into a vector to make a recombinant vector;

(b) introducing said recombinant vector into a host cell to make a recombinant host cell;

(c) culturing said recombinant host cell under conditions such that the polypeptide of claim 85 is expressed; and,

(d) recovering said polypeptide.

96. (New) An isolated polypeptide having an amino acid sequence at least 90% identical to a sequence selected from the group consisting of:

(a) a polypeptide comprising the full-length polypeptide encoded by the ATCC deposit having ATCC Accession number PTA-1997;

(b) a polypeptide comprising the extracellular domain of the polypeptide encoded by the ATCC deposit having ATCC Accession number PTA-1997; and,

(c) a polypeptide comprising the intracellular domain of the polypeptide encoded by the ATCC deposit having ATCC Accession number PTA-1997;

and optionally, a heterologous polypeptide sequence, wherein said polypeptide sequence is preferentially expressed in mature B cells.

97. (New) The polypeptide of claim 96, wherein the selected sequence is (a).

98. (New) The polypeptide of claim 96, wherein the polypeptide sequence is at least 95% identical to sequence (a).

99. (New) The polypeptide of claim 96, wherein the polypeptide is (a).

100. (New) The polypeptide of claim 96, wherein the selected sequence is (b).

101. (New) The polypeptide of claim 96, wherein the polypeptide sequence is at least 95% identical to sequence (b).

102. (New) The polypeptide of claim 96, wherein the polypeptide is (b).

103. (New) The polypeptide of claim 96, wherein the selected sequence is (c).

104. (New) The polypeptide of claim 96, wherein the polypeptide sequence is at least 95% identical to sequence (c).

105. (New) The polypeptide of claim 96, wherein the polypeptide is (c).

106. (New) A recombinant polypeptide produced by the method of:

(a) inserting an isolated nucleic acid molecule encoding the polypeptide of claim 96 into a vector to make a recombinant vector;

(b) introducing said recombinant vector into a host cell to make a recombinant host cell;

(c) culturing said recombinant host cell under conditions such that the polypeptide of claim 96 is expressed; and,

(d) recovering said polypeptide.